

WHAT IS CLAIMED IS:

1. A process cartridge detachably mountable to a main assembly of an electrophotographic image forming apparatus, said process cartridge comprising:

5           an electrophotographic photosensitive member;  
          a developing member for developing an electrostatic latent image formed on said electrophotographic photosensitive member;

          a developer accommodating portion for  
10   accommodating a developer to be used for development of the electrostatic latent image by said developing member;

          a developer discharging member for  
          discharging the developer accommodated in said  
15   developer accommodating portion toward said developing member;

          a cartridge positioning portion for  
          engagement with a main assembly positioning portion  
          provided in the main assembly of apparatus when said  
20   process cartridge is mounted to the main assembly of apparatus, said cartridge positioning portion being disposed at a developer accommodating portion side in a direction crossing with a direction of an axis of said electrophotographic photosensitive member;

25           a photosensitive member driving force receiving portion for receiving a driving force for rotating said electrophotographic photosensitive

member from the main assembly of the apparatus when  
said process cartridge is mounted to the main assembly  
of the apparatus, said photosensitive member driving  
force receiving portion being disposed at a leading  
5 side with respect to a direction of mounting said  
process cartridge to the main assembly of apparatus,  
wherein said process cartridge is mounted to the main  
assembly of apparatus in the direction of the axis of  
said electrophotographic photosensitive member;

10 a discharging member driving force receiving  
portion for receiving a driving force for rotating  
said developer discharging member from the main  
assembly of apparatus when said process cartridge is  
mounted to the main assembly of apparatus;

15 wherein rotational directions of said  
photosensitive member driving force receiving portion  
and said discharging member driving force receiving  
portion when said photosensitive member driving force  
receiving portion and said discharging member driving  
20 force receiving portion receive driving forces from  
the main assembly of the apparatus, are the same, and  
the rotation of directions are such that rotation  
moment is produced so as to contact said cartridge  
positioning portion to a lower surface of the main  
25 assembly positioning portion of the apparatus.

2. A process cartridge according to Claim 1,

wherein said cartridge positioning portion is constituted by an outside of an outer wall of said process cartridge, and is projected in the mounting direction, and said cartridge positioning portion is  
5 disposed at a leading side in the mounting direction.

3. A process cartridge according to Claim 1 or 2, wherein said cartridge positioning portion is integral with a developing frame supporting said  
10 developing member, a developer frame having a developer accommodating portion accommodating the developer to be used for development of said electrostatic latent image by said developing member and an end cover covering a leading, with respect to  
15 the mounting direction, end of a drum frame supporting said electrophotographic photosensitive member, wherein said end cover is provided with a first hole and a second hole, and the driving force is transmitted from the main assembly of the apparatus to  
20 said photosensitive member driving force receiving portion through said first hole, and the driving force is transmitted from the main assembly of the apparatus to said discharging member driving force receiving portion through said second hole.

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4. A process cartridge according to Claim 3, wherein a leading end surface of said cartridge

positioning portion is substantially is substantially  
at the same position as an outer surface of said end  
cover with respect to the mounting direction.

5           5. A process cartridge according to Claim 1,  
wherein said electrophotographic photosensitive member  
is rotated by the driving force received by said  
photosensitive member driving force receiving portion  
from the main assembly of apparatus, and wherein the  
10 driving force is transmitted to the developing member  
in the form of a developing roller to rotate said  
developing member.

15           6. A process cartridge according to Claim 1,  
wherein said developer discharging member includes a  
first developer discharging member and a second  
developer discharging member provided in said  
developer accommodating portion, and wherein said  
first developer discharging member and second  
20 developer discharging member receive the driving force  
received from the main assembly of apparatus by said  
discharging member driving force receiving portion at  
the same side as discharging member at driving force  
receiving portion side with respect to the mounting  
25 direction.

7. A process cartridge according to claim 6.

wherein said developer discharging member further includes a third developer discharging member provided in said developer accommodating portion, wherein said third developer discharging member is disposed downstream of said first developer discharging member and second developer discharging member with respect to a developer discharging direction, and wherein said third developer discharging member receives the driving force received by a discharging member driving force receiving portion from the main assembly of the apparatus at a side opposite from a discharging member driving force receiving portion side with respect to the mounting direction.

8. A process cartridge according to Claim 7, further comprising a cleaning member for removing a developer remaining on said electrophotographic photosensitive member, and a developer feeding member for feeding the developer removed by said cleaning member into a removed developer accommodating portion, wherein said developer feeding member receives the driving force received by said discharging member driving force receiving portion from the main assembly of apparatus at a side opposite from a discharging member driving force receiving portion side with respect to the mounting direction.

9. A process cartridge detachably mountable to a main assembly of an electrophotographic image forming apparatus, said process cartridge comprising:

an electrophotographic photosensitive drum;

5 a developing roller for developing an electrostatic latent image formed on said electrophotographic photosensitive drum;

a developer accommodating portion for accommodating a developer to be used for development  
10 the electrostatic latent image by said developing roller;

a first developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing  
15 member;

a second developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member, wherein said first developer discharging  
20 member and second developer discharging member receives the driving force received from the main assembly of the apparatus by said discharging member driving force receiving portion at the same side as a  
25 side.

a third developer discharging member for discharging the developer accommodated in said

developer accommodating portion toward said developing member, wherein said second developer discharging member is disposed downstream of said first developer discharging member and said second developer discharging member in a developer discharging direction, and wherein said second developer discharging member receives the driving force received from the main assembly of apparatus by said discharging member driving force receiving portion at a side of looked from a discharging member driving force receiving portion side;

a cartridge positioning portion entering a main assembly positioning portion provided in the main assembly of apparatus when said process cartridge is mounted to the main assembly of apparatus, said cartridge positioning portion being disposed at a leading side with respect to a direction in which said process cartridge is mounted to the main assembly of apparatus, wherein said process cartridge is mounted to the main assembly of apparatus in the direction of and axis of said electrophotographic photosensitive drum, and wherein said cartridge positioning portion is provided projected from an outside of an outer wall of said process cartridge in the mounting direction;

a photosensitive member driving force receiving portion for receiving driving force named for rotating said electrophotographic photosensitive

drum from the main assembly of the apparatus when said process cartridge is mounted into the main assembly, said photosensitive member driving force receiving portion being disposed at a leading side with respect to a mounting direction in which said process cartridge is mounted to the main assembly of the apparatus, and wherein said developing roller is rotated by the driving force received from the main assembly of apparatus of said photosensitive member driving force receiving portion;

a discharging member driving force for receiving a driving force for rotating said first developer discharging member, second developer discharging member and third developer discharging member, said discharging member driving force receiving portion being disposed at a leading side with respect to the mounting direction;

wherein rotational directions of said photosensitive member driving force receiving portion and said discharging member driving force receiving portion when said photosensitive member driving force receiving portion and said discharging member driving force receiving portion receive driving forces from the main assembly of the apparatus, are the same, and the rotation of directions are such that rotation moment is produced so as to contact said cartridge positioning portion to a lower surface of the main



assembly positioning portion of the apparatus.

10. A process cartridge according to Claim 9,  
wherein said cartridge positioning portion is  
5 constituted by an outside of an outer wall of said  
process cartridge, and is projected in the mounting  
direction, and said cartridge positioning portion is  
disposed at a leading side in the mounting direction.

10 11. An apparatus according to Claim 10, wherein a  
leading end surface of said cartridge positioning  
portion is substantially is substantially at the same  
position as an outer surface of said end cover with  
respect to the mounting direction.

15 12. A process cartridge according to Claim 9, 10  
or 11, further comprising a cleaning member for  
removing a developer remaining on said  
electrophotographic photosensitive member, and a  
20 developer feeding member for feeding the developer  
removed by said cleaning member into a removed  
developer accommodating portion, wherein said  
developer feeding member receives the driving force  
received by said discharging member driving force  
25 receiving portion from the main assembly of apparatus  
at a side opposite from a discharging member driving  
force receiving portion side with respect to the

mounting direction.

13. An electrophotographic image forming apparatus for forming an image on a recording material, to which a process cartridge is detachably mountable, said electrophotographic image forming apparatus comprising:

(a) a mounting portion for detachably mounting a process cartridge, said process cartridge including;

an electrophotographic photosensitive member;

a developing member for developing an electrostatic latent image formed on said electrophotographic photosensitive member;

a developer accommodating portion for accommodating a developer to be used for development of the electrostatic latent image by said developing member;

a developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member;

a cartridge positioning portion entering a main assembly positioning portion provided in the main assembly of apparatus when said process cartridge is mounted to the main assembly of apparatus, said cartridge positioning portion being disposed at a

leading side with respect to a direction in which said process cartridge is mounted to the main assembly of apparatus, wherein said process cartridge is mounted to the main assembly of apparatus in the direction of and axis of said electrophotographic photosensitive drum;

a photosensitive member driving force receiving portion for receiving driving force named for rotating said electrophotographic photosensitive drum from the main assembly of the apparatus when said process cartridge is mounted into the main assembly, said photosensitive member driving force receiving portion being disposed at a leading side with respect to a mounting direction in which said process cartridge is mounted to the main assembly of the apparatus;

a discharging member driving force receiving portion for receiving a driving force for rotating said developer discharging member from the main assembly of apparatus when said process cartridge is mounted to the main assembly of apparatus;

wherein rotational directions of said photosensitive member driving force receiving portion and said discharging member driving force receiving portion when said photosensitive member driving force receiving portion and said discharging member driving force receiving portion receive driving forces from

the main assembly of the apparatus, are the same, and the rotation of directions are such that rotation moment is produced so as to contact said cartridge positioning portion to a lower surface of the main assembly positioning portion of the apparatus;

said apparatus further comprising:

(b) a driving force transmission member for transmitting a driving force to receiving portion;

(c) a driving force transmission member for transmitting a driving force to receiving portion.

14. An electrophotographic image forming apparatus for forming an image on a recording material, to which a process cartridge is detachably mountable, said electrophotographic image forming apparatus comprising:

(a) a mounting portion for detachably mounting a process cartridge, said process cartridge including;

an electrophotographic photosensitive drum;  
a developing roller for developing an electrostatic latent image formed on said electrophotographic photosensitive drum;

a developer accommodating portion for accommodating a developer to be used for development the electrostatic latent image by said developing roller;

a first developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member;

5 a third developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member, wherein said second developer discharging member is disposed downstream of said first developer discharging member and said second developer discharging member in a developer discharging direction, and wherein said second developer discharging member receives the driving force received from the main assembly of apparatus by said

10 discharging member driving force receiving portion at a side of looked from a discharging member driving force receiving portion side; a second developer discharging member for discharging the developer accommodated in said developer accommodating portion

15 toward said developing member, wherein said first developer discharging member and second developer discharging member receives the driving force received from the main assembly of the apparatus by said discharging member driving force receiving portion at

20 the same side as a discharging member driving force receiving portion side.

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a third developer discharging member for

discharging the developer accommodated in said  
developer accommodating portion toward said developing  
member, wherein said second developer discharging  
member is disposed downstream of said first developer  
5 discharging member and said second developer  
discharging member in a developer discharging  
direction, and wherein said second developer  
discharging member receives the driving force received  
from the main assembly of apparatus by said  
10 discharging member driving force receiving portion at  
a side of looked from a discharging member driving  
force receiving portion side;

a cartridge positioning portion entering a  
main assembly positioning portion provided in the main  
15 assembly of apparatus when said process cartridge is  
mounted to the main assembly of apparatus, said  
cartridge positioning portion being disposed at a  
leading side with respect to a direction in which said  
process cartridge is mounted to the main assembly of  
20 apparatus, wherein said process cartridge is mounted  
to the main assembly of apparatus in the direction of  
and axis of said electrophotographic photosensitive  
drum, and wherein said cartridge positioning portion  
is provided projected from an outside of an outer wall  
25 of said process cartridge in the mounting direction;

a photosensitive member driving force  
receiving portion for receiving driving force named

for rotating said electrophotographic photosensitive drum from the main assembly of the apparatus when said process cartridge is mounted into the main assembly, said photosensitive member driving force receiving portion being disposed at a leading side with respect to a mounting direction in which said process cartridge is mounted to the main assembly of the apparatus, and wherein said developing roller is rotated by the driving force received from the main assembly of apparatus of said photosensitive member driving force receiving portion;

a discharging member driving force for receiving a driving force for rotating said first developer discharging member, second developer discharging member and third developer discharging member, said discharging member driving force receiving portion being disposed at a leading side with respect to the mounting direction;

wherein rotational directions of said photosensitive member driving force receiving portion and said discharging member driving force receiving portion when said photosensitive member driving force receiving portion and said discharging member driving force receiving portion receive driving forces from the main assembly of the apparatus, are the same, and the rotation of directions are such that rotation moment is produced so as to contact said cartridge

positioning portion to a lower surface of the main  
assembly positioning portion of the apparatus.

(b) a driving force transmission member for  
transmitting a driving force to receiving portion;

5 (c) a driving force transmission member for  
transmitting a driving force to receiving portion.

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